

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: External Ammo Sealant 59681 **Product Type:** UV Anaerobic Adhesive
Company : Hernon Manufacturing, Inc. **Contact Information:** Telephone: 407-322-4000
121 Tech Drive Emergency Telephone: 800-255-3924
Sanford, FL 32771 Web Site: www.hernon.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Physical state: Liquid
Color: Green
Odor: Mild

HMIS:
HEALTH: 2*
FLAMMABILITY: 1
PHYSICAL HAZARD: 1
Personal Protection: See Section 8

WARNING: MAY CAUSE EYE AND SKIN IRRITATION
MAY CAUSE ALLERGIC SKIN REACTION
MAY BE HARMFUL IF SWALLOWED OR INHALED

Primary Routes of Entry: None known

Signs and Symptoms of Exposure:

Inhalation: May cause irritation to nose and throat.
Skin Contact: Irritating to skin. May cause allergic skin reaction.
Eye Contact: Vapors may irritate eyes. Contact with eyes will cause irritation.
Ingestion: May be harmful if swallowed.

Existing Conditions Aggravated by Exposure: None known

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
2-phenoxyethyl Acrylate Esters	50-90	None	None	None
Isooctyl Acrylate Esters	20-30	None	None	None
Ethoxylated Trimethylolpropane Triacrylate	10-20	None	None	None
Ethylene Glycol Dimethacrylate Esters	5-10	None	None	None
Acrylic Acid	1-5	2ppm TWA (skin)	10 ppm TWA 30 mg/m ³	1 ppm TWA (skin) 3ppm STEL (skin)
Photoinitiator	1-5	None	None	None
Cumene Hydroperoxide	0.1-1	None	None	1 ppm (6 mg/m ³) Skin (WEEL)

4. FIRST AID MEASURES

Ingestion:	Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation:	Does not apply.
Skin Contact:	Wash with soap and water.
Eye Contact:	Flush at least 15 minutes with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point (TCC):	>200°F
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical
Special Firefighting Procedures:	Not available
Hazardous Combustion Products:	Irritating organic vapors
Unusual Fire or Explosion Hazards:	None
Flammable/Explosive Limits – lower %:	NA
Flammable/Explosive Limits – upper %:	NA

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear proper protective equipment
Measures for Environmental Protection:	Do not allow large quantities to enter drains or surface waters
Clean-up Measures:	Soak up with an inert absorbent. Store in partly filled, closed container until disposal.

7. HANDLING AND STORAGE

Handling:	Avoid prolonged skin contact. Keep away from eyes.
Storage:	Store between 46° and 82°F unless otherwise labeled to preserve shelf life. Protect from light.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eye/Face Protection:	Safety glasses or goggles with side shields
Skin Protection:	Rubber or plastic gloves and protective clothing as necessary
Respiratory Protection:	Use NIOSH approved respirator if there is a potential to exceed exposure limits
Engineering Controls:	Forced ventilation may be required if concentrations exceed exposure limits

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Green
Odor:	Mild
Vapor Pressure:	< 5 mm Hg at 80°C
Vapor Density:	Not available
Solubility in Water:	Slight
Specific Gravity:	1.03
Boiling Point:	More than 300°F
Volatile Organic Compound Content	Not available
Evaporation Rate (Ether = 1)	Not available
pH:	Does not apply

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	May occur upon inhibitor depletion
Hazardous Decomposition Products:	Irritating organic vapors
Incompatibility:	Strong oxidizers, strong reducers, free radical initiators, inert gases.

11. TOXICOLOGICAL INFORMATION

Toxicity:	Estimated oral LD50 > 10,000 mg/kg. Estimated dermal LD50 > 2,000 mg/kg								
Ingredients:	Literature Referenced Target Organ and Other Health Effects						Carcinogen Status		
							NTP	IARC	OSHA
2-phenoxyethyl Acrylate Esters	ALG	IRR					NO	NO	NO
Isooctyl Acrylate Esters	ALG	IRR					NO	NO	NO
Ethoxylated Trimethylolpropane Triacrylate	IRR						NO	NO	NO
Ethylene Glycol Dimethacrylate Esters	ALG	IRR					NO	NO	NO
Acrylic Acid	ALG	IRR	COR	KID	LIV		NO	NO	NO
Photoinitiator	No data						NO	NO	NO
Cumene Hydroperoxide	ALG	CNS	COR	IRR	MUT		NO	NO	NO

Abbreviations:

ALG	Allergen	COR	Corrosive	IRR	Irritant	KID	Kidney
LIV	Liver	MUT	Mutagen	CNS	Central Nervous System		

12. ECOLOGICAL INFORMATION

Ecological Information:	Not available
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13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Dispose of according to Federal, State and Local regulations.
EPA Hazardous Waste Number: Not an RCRA hazardous waste

14. TRANSPORTATION INFORMATION

U.S. Dept. of Transportation Ground (49 CFR):

Proper Shipping Name: Unrestricted
Hazard Class or Division: None
Identification Number: None
Packing group: None

International Air Transportation (ICAO/IATA):

Proper Shipping Name: Unrestricted
Hazard Class or Division: None
Identification Number: None
Packing group: None

Water Transportation (IMO/IMDG):

Proper Shipping Name: Unrestricted
Hazard Class or Division: None
Identification Number: None
Packing group: None
Marine pollutant: None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory
CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372): Acrylic Acid, Cumene Hydroperoxide
California Proposition 65: This product contains, or may contain, trace quantities of a substance (s) known to the state of California to cause cancer/or reproductive toxicity.

16. OTHER INFORMATION

Prepared By: C. Alt
Title: Manager - Quality & Development

DISCLAIMER: Some of the information presented is from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable. This MSDS has been prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200).